

Product Name: Cdc7-IN-1
Cat. No.: GC35628

Cas. No. 1402055-25-7

SMILES O=C1C(C(OCC)=O)=C(NC2=C(Cl)C=CC=C2)O/C1=C\C3=CNC4=C3C=CC=N4

Formula	C ₂₁ H ₁₆ ClN ₃ O ₄	M.Wt	409.82
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Solubility	DMSO: 5.2 mg/mL (12.69 mM)	Storage	Store at -20°C
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General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
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Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.
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CCOC(=O)c1c(Nc2ccccc2Cl)c(OC1=CC=C2C(=C1)N3C=CC=CC=C3N2)oc1ccccc1

Cdc7-IN-1 (Compound 13) is a highly potent, selective and ATP competitive inhibitor of Cdc7 kinase, with an IC₅₀ value of 0.6 nM at 1 mM ATP and with slow off-rate characteristics. Cdc7-IN-1 potently inhibits Cdc7 activity in cancer cells, and effectively induces cell death[1]. IC₅₀: 0.6 nM (Cdc7, at 1 mM ATP)[1]

[1]. Irie T, et al. Discovery of novel furanone derivatives as potent Cdc7 kinase inhibitors. *Eur J Med Chem.* 2017 Apr 21;130:406-418.

Caution: Product has not been fully validated for medical applications. For research use only.

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Product Data Sheet

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